

**Twelfth US-Japan Workshop
on
Heavy Ion Fusion and High Energy Density Physics**

**Monday, September 7, 2009
Twin Peaks Room, Fourth Floor
Intercontinental San Francisco Hotel
San Francisco, CA USA**

Session 1: Overviews and Programs Summaries -- John Barnard, Chair

7:00 pm - 7:05 pm Don Correll, IFSA Local Organizing Committee Member and Acting Fusion Energy Program Leader (LLNL) – Opening Remarks

7:05 pm - 7:30 pm Grant Logan (LBNL) – The US Program in Heavy Ion Fusion Science and Warm Dense Matter

7:30 pm – 7:55 pm Kazuhiko Horioka (Department of Energy Sciences, Tokyo Institute of Technology) -- Recent Research Activities on Beam Dynamics and Warm Dense Matter Science at TIT-DES

7:55 - 8:20 pm Ronald Davidson (PPPL) – Ion-Beam-Driven HEDLP Research Opportunities and Connections to the 2009 Fusion Energy Sciences Advisory Committee Report on High Energy Density Laboratory Plasmas

8:20 pm - 8:35 pm Coffee Break

Session 2: Warm Dense Matter I – Kazuhiko Horioka, Chair

8:35 pm - 9:00 pm Jun Hasegawa (RLNR, Tokyo Tech) -- A Plan for Warm-Dense-Matter Experiments Using Pre-Compressed Hydrogen Targets

9:00 pm - 9:25 pm John Barnard (LLNL) -- Simulations of Targets for NDCX -II

9:25 pm - 9:50 pm Yoshiyuki Oguri (RLNR, Tokyo Institute of Technology) -- Effects of Initial Target Inhomogeneity and Projectile Energy Ramping in Ion-Driven Warm Dense Matter Experiments

**Tuesday, September 8, 2009
Twin Peaks Room, Fourth Floor
Intercontinental San Francisco Hotel
San Francisco, CA USA**

Session 3 Acceleration and Beam Transport– Alex Friedman, Chair

7:00 pm - 7:25 pm Shigeo Kawata (Utsunomiya University) -- Efficient Laser Ion Acceleration

7:25 pm - 7:50 pm Joe Kwan (LBNL) -- The NDCX-II Project

7:50 pm - 8:15 pm Igor Kaganovich (PPPL) – Intense Ion Beam Neutralization Physics

8:15 pm - 8:30 pm Coffee Break

Session 4 -- High Energy Density Physics and Heavy Ion Fusion, Yoshiyuki Oguri, Chair

8:30 pm - 8:55 pm Toru Sasaki (Nagaoka University of Technology) -- High Energy Density Experiments Based on Extreme Power Devices at Nagaoka University of Technology

8:55 pm - 9:20 pm John Perkins (LLNL) -- Ion Direct Drive

9:20 pm - 9:50 pm Closing Discussions

Japanese Delegation:

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